

IN THE CLAIMS

1. (Currently Amended) Coiler for rolled strip, which comprises at least one driven troughed roller (1) for turning a coil (2) during coiling or uncoiling of a rolled strip and a roller table upstream or downstream from the coiler, ~~characterized by the fact that~~ wherein the troughed roller (1) is designed with an elastically deformable outer collar (4).

2. (Currently Amended) Coiler in accordance with Claim 1, ~~characterized by the fact that~~ wherein the bearing surface (3) of the troughed roller (1) is formed by a series of adjoining outer collars (4) of different diameters, which surround a core (5) of the troughed roller (1) and are uniformly supported in such a way by means of support members (6) that are spring-tensioned from the inside against the outer collars (4) that they act on the contact surface (7) of the troughed roller (1) with the coil (2) over its entire longitudinal extent with uniform contact pressure.

3. (Currently Amended) Coiler in accordance with ~~Claim 1 or Claim 2, characterized by the fact that~~ Claim 1, wherein the support members (6) are designed with curved contact surfaces to adapt them to the inner circumference of the outer collars (4).

4. (Currently Amended) Coiler in accordance with ~~Claim 1, Claim 2, or Claim 3,~~ characterized by the fact that Claim 1, wherein the "back" of each support member (6) is lined with a set of disk springs (8) with predeterminable pretensioning.

5. (Currently Amended) Coiler in accordance with ~~one or more of Claims 1 to 4,~~ characterized by the fact that Claim 1, wherein the support members (6) are mounted in the outer collars (4) with pretensionable spring force.

6. (Currently Amended) Coiler in accordance with ~~one or more of Claims 1 to 5,~~ characterized by the fact that Claim 1, wherein to compensate a load-related flexure of the troughed roller (1), which can be calculated or empirically determined, the outside diameters of the outer collars (4) increase towards the middle of the rough roller (1).

7. (Currently Amended) Coiler in accordance with ~~one or more of Claims 1 to 6,~~ characterized by the fact that Claim 1, wherein adjoining outer collars (4) are provided with an oblique transition to the adjacent outer collars (4).

8. (Currently Amended) Coiler in accordance with ~~one or more of Claims 1 to 7, characterized by the fact that~~ Claim 1, wherein the bearing surfaces of the outer collars (4) are designed with a slight camber (9), which, however, does not exceed the magnitude of the difference in diameters.

9. (Currently Amended) Coiler in accordance with ~~one or more of Claims 1 to 8, characterized by the fact that~~ Claim 1, wherein two troughed rollers (1, 1') that can be arranged with a predeterminable axially parallel separation act together to support the load of the coil (2).

10. (Currently Amended) Coiler in accordance with Claim 9, ~~characterized by the fact that~~ wherein at least one of these troughed rollers (1) has a rotational drive.

11. (Currently Amended) Coiler in accordance with ~~one or more of Claims 1 to 10, characterized by the fact that~~ Claim 1, wherein the troughed roller (1) comprises

- a solid central shaft (5),
- a middle collar (11) on the shaft (5) for holding support members (6) that can be spring-tensioned, and
- an outer collar (4) with an outer support collar (12) for supporting the load.

12. (Currently Amended) Coiler in accordance with ~~one or more~~
~~of Claims 1 to 6, characterized by the fact that~~ Claim 1, wherein the
contact surface (7), especially concave contact surface (7), that
forms on a coil during the uncoiling can be automatically adapted to
the usually cambered circumference of the coil (2) by means of the
elastically yielding outer collars (4).